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MONTANA AERONAUTICS COMMISSION

AIRPORT MAINTENANCE SCHOOL

HELENA, MONTANA

MARCH 16-17, 1961

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MONTANA AERONAUTICS COMMISSION

AIRPORT MAINTENANCE SCHOOL

HELENA, MONTANA

PLACE: Deaconess School Auditorium
1538 11th Avenue
Helena, Montana

DATE: March 16, 1961
March 17, 1961

SPONSOR: MONTANA AERONAUTICS COMMISSION

PURPOSE: This course is designed to give the student practical information on the need for an adequate airport maintenance program, and the procedures to follow for effective preventive maintenance.

Adequate airport maintenance will reduce the need for extensive repairs or replacement of facilities that have deteriorated beyond practical use. Good business practice requires that adequate provisions be made for effective maintenance of airport facilities. It is costly to defer maintenance until the need for repair, or even reconstruction is obvious, but the false economy of this procedure is apparent when the low cost of preventive maintenance is weighed against the cost of reconstruction.

The presentation will be in the form of practical application with the assist of films, slides and handouts. All students will be requested to participate in the open discussion periods. All subjects will be open for questions on items of interest not covered by the instructor.

ATTENDANCE: Airport Managers, airport maintenance personnel, airport operators, Board members, County Commissioners, City council members, airport engineers, airport contractors, Highway personnel, interested pilots, equipment operators.

PROGRAM: March 16, 1961

0900 - 0910	GREETINGS	Frank W. Wiley, Director Montana Aeronautics Commission
0910 - 0920	PROGRAM BRIEFING	Mark Radcliffe, Administrator, Airport Division, Montana Aeronautics Commission
0920 - 0930	QUESTION PERIOD	
0930 - 1200	ASPHALT MAINTENANCE PROBLEMS	Jim Burton, District Engineer, Asphalt Institute

1. History & use of asphalt products
2. Seal coats
3. Maintenance of asphalt surfaces
   a. Moisture problems
   b. Pavement distress (type, cause, corrective action)
   c. Patching
   d. Repair for distortion, wear, settlement, Extensive surface damage
   e. Crack sealing
   f. Rehabilitation
   g. Heater - planer operations
   h. Maintenance equipment
   i. Question & answer period

NOTE: A coffee period will be scheduled at the convenience of the instructor between 0930 and 1200.

1200 - 1300 BUFFET LUNCH AT DEACONESS SCHOOL

Courtesy: Portland Cement Association
Asphalt Institute

1315 - 1430 A PANEL ON REPAIR & MAINTENANCE OF AIRPORT BEACONS

PART I — Jim Monger, Maintenance Engineer, Montana Aeronautics Commission

1. Airport beacon operating schedule
2. Type and color of lens authorized
3. Beacon RPM authorized
4. Visibility from the air
5. Beacon RPM authorized
6. Modifications for a duplex course light beacon
   a. Line voltage for beacons
   b. Proper bulb voltage and types
   c. Bulb adjustment
   d. Reflector adjustments

PART II — Lyle Connors, Federal Aviation Agency-Helena

Harry Baker, Federal Aviation Agency, Great Falls, Montana

1. Beacon orientation, 24" & 36" models
2. On-Off control of rotating beacons
3. Tools required for servicing beacons
4. Lens alignment, beam elevation degree settings
5. Lamp changers, rotating and tilting types
6. Focusing
7. Motor box section
   a. Gear replacement
   b. Clutch adjustment
   c. Commutator (Cleaning & brush tension)
8. FAA maintenance schedule (recommended)
   a. Greasing and oiling
   b. Spring tensions
   c. Housekeeping
   d. Optical surface cleaning
9. Question & answer period

1430 - 1445 Coffee Break

1445 - 1645 QUALITY CONCRETE — Norman Baumgart, District Engineer Portland Cement Assoc.

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1. How to make quality concrete
2. How to transport, place, finish & core quality concrete
3. Construction problems
   a. Preparation of subgrade
   b. Moisture problems
   c. Frost heaves
4. Maintenance problems
   a. Crack sealing
   b. Surface patching
   c. Joint maintenance
5. "Thin-Bonded Concrete Resurfacing at Selfridge AFB"
6. Summary - Miscellaneous discussion

1830 - 1900 SOCIAL GET TOGETHER
Jorgenson's Holiday Inn

1900 - 2300 BANQUET
Jorgenson's Holiday Inn
Speaker --

PROGRAM: March 17, 1961

0900 - 1000 GRASSES & WEED CONTROL — Lawrence Baker, Montana State College, Bozeman

1. Grass surfaces
2. Weed control
3. Seeding methods
4. Soil testing and fertilizers
5. Factors affecting turf establishment

1000 - 1100 MAINTENANCE OF RUNWAY LIGHTING — Andrew Genor, Jr., Line Material Industries - Spokane

1. Line surges & voltage regulation
2. Bulb specifications
3. Moisture problems
4. Animal damage

5. Types of lighting - care & cleaning
6. Flying Farmer Kit

1100 - 1115 Coffee Break

1115 - 1215 A PANEL DISCUSSION ON MAINTENANCE OF TURF RUNWAYS & AIRPORT MAINTENANCE FINANCING

Mark Radcliffe, Administrator, Airport Division, Montana Aeronautics Commission

Victor Kiesling, Airport Engineer, Federal Aviation Agency

1. Drainage & erosion control
2. Turf maintenance problems
3. Mowing operations
4. Gravel stabilized turf surfaces
5. Financing & loan program for airport maintenance
6. Eligibility for reconstruction vs maintenance
7. Requirements for wind indicators
8. True light certificates
9. State beacon program

1215 ADJOURN

MONTANA AERONAUTICS COMMISSION

AIRPORT MAINTENANCE SCHOOL

HELENA, MONTANA

Dear Mark:

I plan to attend the Montana Aeronautics Commission maintenance school which will be held in Helena on March 16 - 17, 1961. The following other persons from our airport will also attend:

_____ _____

My wife will attend the banquet ( ) Yes ( ) No

(I) (We) will require hotel reservations ( ) Yes ( ) No

(I) (We) will require transportation to hotel ( ) Yes ( ) No

_____
Signature

_____
Airport or Community